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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/972,619		Paul LoRegio	01W047	4332
7	590 11/17/2003		EXAMINER	
William C. So	hubert		STAHL, M	IICHAEL J
Raytheon Com			ARTINIT	PAPER NUMBER

Raytheon Company 2000 East El Segundo Blvd. P. O. Box 902 El Segundo, CA 90245

DATE MAILED: 11/17/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

			300
	Application No.	Applicant(s)	
	Notice of Allowability		
Notice of Allowability			
	Mike Stahl	2874	
The MAILING DATE of this communication and claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOL NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATEN of the Office or upon petition by the applicant. See 37 CFR 1	S IS (OR REMAINS) CLOSED in -85) or other appropriate comment TRIGHTS. This application is	in this application. If not included junication will be mailed in due cours	se. THIS
1. This communication is responsive to amendment filed	8/18/03.		
2. The allowed claim(s) is/are 1,2 and 6-13.			
3. The drawings filed on 08 October 2001 are accepted to	by the Examiner.		
4. Acknowledgment is made of a claim for foreign priority	under 35 U.S.C. § 119(a)-(d) o	or (f).	
a) ☐ All b) ☐ Some* c) ☐ None of the:			
 Certified copies of the priority documents to 	nave been received.		
Certified copies of the priority documents I	nave been received in Applicati	on No	
Copies of the certified copies of the priority	documents have been receive	ed in this national stage application f	from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:			
5. Acknowledgment is made of a claim for domestic priori	ty under 35 U.S.C. § 119(e) (to	a provisional application).	
 (a) The translation of the foreign language provision 	nal application has been receive	ed.	
Acknowledgment is made of a claim for domestic priori	ty under 35 U.S.C. §§ 120 and	/or 121.	
Applicant has THREE MONTHS FROM THE "MAILING DATE below. Failure to timely comply will result in ABANDONMEN"			
7. \square A SUBSTITUTE OATH OR DECLARATION must be S INFORMAL PATENT APPLICATION (PTO-152) which gives			CE OF
8. CORRECTED DRAWINGS must be submitted.			
(a) ☐ including changes required by the Notice of Drafts	sperson's Patent Drawing Review	ew (PTO-948) attached	
1) hereto or 2) to Paper No			
(b) including changes required by the proposed draw	ing correction filed, wh	ich has been approved by the Exam	niner.
(c) including changes required by the attached Exam			
Identifying indicia such as the application number (see 37 Cleach sheet.	FR 1.84(c)) should be written on	the drawings in the front (not the back	k) of
9. DEPOSIT OF and/or INFORMATION about the d attached Examiner's comment regarding REQUIREMENT FO			the
Attachment(s)			
1⊠ Notice of References Cited (PTO-892)	2□ Notice	of Informal Patent Application (PTO	-152)
3 Notice of Draftnerson's Patent Drawing Review (PTO-94)		w Summany (PTO-413) Paper No.	

of Biological Material

5 Information Disclosure Statements (PTO-1449), Paper No.

7 Examiner's Comment Regarding Requirement for Deposit

6☐ Examiner's Amendment/Comment

9 Other

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This office action is in response to the amendment filed August 18, 2003. The changes to the claims have been entered. Claims 1, 2, and 6-13 remain.

Allowable Subject Matter

Applicant's remarks concerning independent claims 1 and 9 as amended are persuasive. Claim 1 as amended incorporates the subject matter of original claim 5, which was previously rejected as being obvious in view of Lee et al. (US 5737104). It was asserted in the rejection that it would have been obvious to a skilled person to arrange the Lee device such that the first, second, and third incident beams are not coplanar. However, applicant has alleged that the beams in Lee are not coplanar because if they were, there would not be a space problem needing the specific solution proposed by Lee in fig. 5. Applicant also alleges that Lee's recognition of the same problem as applicant, and proposal of a solution which differs from applicant's solution, tends to support the patentability of claim 1. The examiner concedes this point and notes that none of the previously cited references specifically teaches a non-coplanar layout of incident beams.

Claim 9 as amended includes the limitations from original claim 15, which was also rejected as obvious in view of Lee. In particular, it was asserted that it would have been obvious to a skilled person to substitute mirrors for loop-back fibers as the optical links between receiving and redirecting collimators because of the potential for reduced costs and space requirements. However, applicant argues that there is no evidence to support this assertion. The examiner agrees insofar as no reference of record specifically teaches that an arrangement using

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mirrors would necessarily be less expensive and take up less space than Lee's arrangement using

loop-back fibers.

Accordingly, the previous rejections under Lee et al. are withdrawn and claims 1, 2, and

6-13 are allowed.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure: US 6055347 and US 5917626 disclose multiple pass optical filters which use a

single filter to drop different wavelengths depending on the incident angle of the beam.

Any inquiry concerning this communication should be directed to Mike Stahl at (703)

305-1520. Official communications eligible for submission by facsimile may be faxed to (703)

872-9318 (before final) or (703) 872-9319 (after final). Inquiries of a general or clerical nature

(e.g., a request for a missing form or paper, etc.) should be directed to the Technology Center

2800 receptionist at (703) 308-0956 or to the technical support staff supervisor at (703) 308-

3072.

CCM

Michael J. Stahl Patent Examiner

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October 31, 2003